IN THE CLAIMS:

Please amend the following claims:

- 1. (Currently Amended) [A] An isolated mutant of Lactococcus lactis spp. lactis,

 2 which produces lactate at high volumetric productivity, which is at least twice that of the

 3 Lactococcus lactis spp. lactis 19435, and produces lactate at specific productivity, which is at

 4 least 1.5 times that of the Lactococcus lactis spp. lactis 19435, and produces high amounts of

 5 lactate dehydrogenase, which is at least twenty times that of the Lactococcus lactis spp. lactis

 6 19435 and wherein denoted TMB5003, deposited at Deutsche Sammlung von Microorganismen

 7 und Zellkulturen under deposition number DSM 14489.
- 1 2.(Cancelled)

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- 3. (Original) The use of *Lactococcus lactis* spp. *lactis* TMB5003 in the production of lactate.
- 4. (Currently Amended) The use of *Lactococcus lactis* spp. *lactis* TMB5003 for the production of the enzyme lactate dehydrogenase, LDH[,in-particular L-lactate dehydrogenase, LDH].

 L-LDH].
- 5. (Currently Amended) A method for the production of lactate on a glucose containing medium, wherein an inoculum of *Lactococcus lactis* spp. *lactis* TMB5003 is grown on a medium comprising glucose as carbon source[-], and the lactate thus formed is isolated.
 - 6. (Previously Amended) A method according to claim 5, wherein the growth is carried at conditions optimized for production of L-lactate.

- 6. (Previously Amended) A method according to claim 5, wherein the growth is carried at conditions optimized for production of L-lactate.
- 7. (Previously Amended) A method according to claim 6, wherein the growth is continuous at a dilution rate of at least 0.5 h ¹.
- 8. (Previously Amended) A method according to claim 7, wherein the growth is continuous at a dilution rate of at least 0.7 h ¹.
- 9. (Previously Amended) A method according to claim 8, wherein the growth is continuous at a dilution rate of at least 0.8 h⁻¹.
- 1 10. (Previously Amended) A method according to claim 5, wherein the growth is carried out at unrestricted feed of glucose.
- 1 11. (Currently Amended) A method according to claim 5, wherein the growth is carried out at a pH of above 6 [,preferablypH6-7].
- 1 12. (Currently Amended) A method according to claim 5, wherein the growth is carried out at a temperature of between 25 and 30 C[, preferably 27.5 to 30 C].
- 1 13. (Original) The use of lactate produced by fermenting the mutant *Lactoccus lactis*2 spp. *lactis* TMB5003 in food and as a chemical commodity in general.
- 1 14. (New) The use of *Lactococcus lactis* spp. *lactis* TMB5003 according to claim 4,
 2 wherein the enzyme lactate dehydrogenase, LDH is L-Lactate dehydrogenase, L-LDH.
- 1 15. (New) The method according to claim 11, wherein the pH is 6-7.

- 1 16. (New) The method according to claim 12, wherein the temperature is 27.7 to
- 2 30 C.